

09/866570  
STN Search Summary

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FILE 'CAPLUS' ENTERED AT 14:42:25 ON 13 JAN 2003

L1 455 S ?DESACETYLBACCATIN? OR ?DEACETYLBACCATIN?  
L2 180 S L1 AND TAXUS  
L3 3 S L2 AND TRANSFERASE  
L4 11 S L2 AND BIOSYNTHESIS  
L5 10 S L4 NOT L3

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:247516 CAPLUS  
TI Taxus cuspidata transacylase enzymes involved in the production  
of Taxol (paclitaxel), their sequences, substrates and recombinant  
production  
IN Croteau, Rodney B.; Walker, Kevin D.; Schoendorf, Anne; Wildung, Mark R.  
SO PCT Int. Appl., 162 pp.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001023586	A2	20010405	WO 2000-US27006	20000929
WO 2001023586	A3	20020221		
US 6287835	B1	20010911	US 1999-457046	19991207
EP 1220930	A2	20020710	EP 2000-967189	20000929
US 2002138859	A1	20020926	US 2001-866572	20010525
US 2002168745	A1	20021114	US 2001-866570	20010525
PRAI US 1999-411145	A	19990930		
US 1999-457046	A	19991207		
WO 2000-US27006	W	20000929		

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS  
AN 2000:82207 CAPLUS  
TI Molecular cloning of a 10-deacetylbaccatin III-10-O-acetyl  
transferase cDNA from Taxus and functional expression in  
Escherichia coli  
AU Walker, Kevin; Croteau, Rodney  
SO Proceedings of the National Academy of Sciences of the United States of  
America (2000), 97(2), 583-587

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS  
AN 1999:217410 CAPLUS  
TI Partial purification and characterization of acetyl coenzyme  
A:taxa-4(20),11(12)-dien-5.alpha.-ol O-acetyl transferase that  
catalyzes the first acylation step of taxol biosynthesis  
AU Walker, Kevin; Ketchum, Raymond E. B.; Hezari, Mehri; Gatfield, David;  
Goleniowski, Marta; Barthol, Ann; Croteau, Rodney  
SO Archives of Biochemistry and Biophysics (1999), 364(2), 273-279

L5 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS  
AN 2001:800484 CAPLUS  
TI Taxol: biosynthesis, molecular genetics, and biotechnological  
applications  
AU Jennewein, S.; Croteau, R.  
SO Applied Microbiology and Biotechnology (2001), 57(1-2), 13-19

L5 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS

AN 2001:628023 CAPLUS

TI Taxol biosynthetic genes

AU Walker, K.; Croteau, R.

SO Phytochemistry (2001), 58(1), 1-7

L5 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS

AN 2000:878382 CAPLUS

TI Taxol biosynthesis: molecular cloning of a benzoyl-CoA:taxane  
2.alpha.-O-benzoyltransferase cDNA from Taxus and functional  
expression in Escherichia coli

AU Walker, Kevin; Croteau, Rodney

SO Proceedings of the National Academy of Sciences of the United States of  
America (2000), 97(25), 13591-13596

L5 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS

AN 1996:729767 CAPLUS

TI Biosynthesis of taxol: enzymic acetylation of 10  
deacetylbaccatin-III to baccatin-III in crude extracts from roots  
of Taxus baccata

AU Zocher, Rainer; Weckwerth, Wolfram; Hacker, Christine; Kammer, Bettina;  
Hornbogen, Till; Ewald, Dietrich

SO Biochemical and Biophysical Research Communications (1996), 229(1), 16-20